

ABSTRACT OF THE DISCLOSURE

A solid electrolytic capacitor has a structure in which a dielectric layer, an electrolyte, a carbon layer, and a metal layer are formed in this order on the surface of an anode. The anode is composed of a porous sinter of tantalum particles. The dielectric layer is composed of a dielectric oxide film formed by anodizing the surface of the anode in an aqueous solution of phosphoric acid, for example. The electrolyte is composed of a conductive polymer, such as polypyrrole or polythiophene. The metal layer is formed by preparing a silver paste by mixing silver particles having an average particle diameter of not larger than 0.05 μm , a protective colloid, and an organic solvent, and applying the silver paste on the surface of the carbon layer, and drying the silver paste at approximately 150°C or higher.